

# Reply Exhibit J

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Thursday, April 3, 2008 6:17 PM  
**To:** Jennifer Weidhaas <jweidhaas@northwind-inc.com>  
**Cc:** Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** RE: Mike's address

---

I am trying to talk to Roger at 3 PM EST tomorrow. Want me to call you after that?

Valerie J.(Jody) Harwood, Ph.D.  
Department of Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave.  
Tampa, FL 33620  
(813) 974-1524 - phone  
(813) 974-3263 - fax

---

**From:** Jennifer Weidhaas [mailto:jweidhaas@northwind-inc.com]  
**Sent:** Thursday, April 03, 2008 7:00 PM  
**To:** Harwood, Valerie  
**Cc:** Tamzen Macbeth  
**Subject:** RE: Mike's address

Thanks for the address. Can we have a quick call Friday?

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**From:** Harwood, Valerie [mailto:vharwood@cas.usf.edu]  
**Sent:** Thursday, April 03, 2008 4:39 PM  
**To:** Jennifer Weidhaas  
**Subject:** Mike's address

Dr. Michael Sadowsky  
Department of Soil, Water  
University of Minnesota  
1991 Upper Buford Circle, 439 Borlaug Hall St. Paul, MN 55108 (USA)

Valerie J.(Jody) Harwood, Ph.D.  
Department of Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave.  
Tampa, FL 33620  
(813) 974-1524 - phone  
(813) 974-3263 - fax

**From:** norat004@umn.edu  
**Sent:** Friday, April 11, 2008 1:48 PM  
**To:** Jennifer Weidhaas <jweidhaas@northwind-inc.com>  
**Subject:** RE: Quote & shipping address

---

Hi Jennifer,

I recieved the second set of sample (A1 - 32) today from FedEx.

I was going through the samples and noticed there is no C14. Is that not supposed to be there?

Dan

On Apr 10 2008, Jennifer Weidhaas wrote:

> Dan,  
> You will be receiving an additional set of samples on Friday. The  
> tracking number is 863608177660.  
> Jennifer  
>  
> -----Original Message-----  
> From: norat004@umn.edu [<mailto:norat004@umn.edu>]  
> Sent: Thursday, April 10, 2008 10:59 AM  
> To: Jennifer Weidhaas  
> Subject: RE: Quote & shipping address  
>  
> I just recieved the first set of smaples. There were 30 tubes of sample  
> (C1-13, C15-18 & B1-13) and one tube with control DNA.  
>  
> Thanks  
> Dan  
>  
> On Apr 9 2008, Jennifer Weidhaas wrote:  
>  
>> Dan,  
>>  
>> The FedEx tracking number for the first sample shipment is  
>>  
>> Tracking # for University of Minnesota--863608177659  
>>  
>> You will be receiving an additional shipment of 33 samples by the end  
> of  
>> the week. Included in the current shipment is a plasmid containing the  
>> positive control labeled something like "LA35 10^8" (indicating the  
>> plasmid concentration).  
>>  
>> Regards,  
>>  
>> Jennifer  
>>  
>>  
>> Jennifer Weidhaas, Ph.D., P.E.  
>> Environmental Engineer  
>> North Wind, Inc.  
>> TEL: 208-557-7883  
>> FAX: 208-528-8714  
>>

>>  
>>-----Original Message-----  
>>From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
>>Sent: Monday, April 07, 2008 12:30 PM  
>>To: Jennifer Weidhaas  
>>Subject: FW: Quote & shipping address  
>>  
>>Hi Jennifer - here is contact info for Mike's student (Dan Norat) for  
>>when you ship the samples to Sadowsky's lab. See below.  
>>  
>>Valerie J.(Jody) Harwood, Ph.D.  
>>Department of Biology, SCA 110  
>>University of South Florida  
>>4202 E. Fowler Ave.  
>>Tampa, FL 33620  
>>(813) 974-1524 - phone  
>>(813) 974-3263 - fax  
>>  
>>  
>>-----Original Message-----  
>>From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>>Sent: Saturday, April 05, 2008 9:20 AM  
>>To: Harwood, Valerie  
>>Cc: norat004@umn.edu  
>>Subject: RE: Quote & shipping address  
>>  
>>Great Jody!  
>>  
>>I also heard from Roger that all was okay  
>>  
>>Please email Dan Norat, my student, at norat004@umn.edu when you send  
>>the samples and he will keep an eye out for them.  
>>  
>>Thanks for letting us use the primers, this is much appreciated.  
>>  
>>I will be back next Thursday.  
>>  
>>Cheers,  
>>  
>>Mike  
>>  
>>At 01:35 PM 4/4/2008, you wrote:  
>>>Mike - Roger Olsen says go. He emailed you too.  
>>>    You can use the primers.  
>>>    Expect shipment from North Wind Wed or Thurs on dry ice.  
>>>    Hope you're having a jolly time in Birmingham!  
>>>Jody  
>>>  
>>>Valerie J.(Jody) Harwood, Ph.D.  
>>>Department of Biology, SCA 110  
>>>University of South Florida  
>>>4202 E. Fowler Ave.  
>>>Tampa, FL 33620  
>>>(813) 974-1524 - phone  
>>>(813) 974-3263 - fax  
>>>  
>>>  
>>>-----Original Message-----  
>>>From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>>>Sent: Friday, April 04, 2008 8:37 AM  
>>>To: Harwood, Valerie  
>>>Subject: RE: Quote & shipping address

>>>  
>>>Thanks Jody. I will wait to hear from you.  
>>>  
>>>So, can I use the primers in my own research?  
>>>  
>>>I am going to Birmingham (yuk), and they are paying. It's a quick  
>>>trip as I ne3ed to teach next Thursday.  
>>>  
>>>Take care,  
>>>  
>>>Mike  
>>>  
>>>At 04:38 PM 4/3/2008, you wrote:  
>>> >Hi Mike - I left a voice message w/Roger. He's good about getting  
>>>back  
>>> >w/me, so I'm sure I'll talk w/him tomorrow and get your questions  
>>> >answered.  
>>> > Where in England are you going? I hope someone is paying  
>for  
>>> >your trip!  
>>> > We are almost done w/our MS. If I just had some extra  
>>>time...  
>>> >maybe tomorrow. Thanks for the address!  
>>> >  
>>> >Jody  
>>> >  
>>> >Valerie J.(Jody) Harwood, Ph.D.  
>>> >Department of Biology, SCA 110  
>>> >University of South Florida  
>>> >4202 E. Fowler Ave.  
>>> >Tampa, FL 33620  
>>> >(813) 974-1524 - phone  
>>> >(813) 974-3263 - fax  
>>> >  
>>> >  
>>> >-----Original Message-----  
>>> >From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>>> >Sent: Thursday, April 03, 2008 6:32 PM  
>>> >To: Harwood, Valerie  
>>> >Subject: Re: Quote & shipping address  
>>> >  
>>> >Hi Jody:  
>>> >  
>>> >Oh well, I can wait. I am off to England on Saturday for a meeting  
>>> >and will be back on Thursday. Are you sure we can also test the  
>>> >primer on some of our other samples? I promise not to publish for  
>>> >more than 1 year from now. Will this be okay with you? What is your  
>>> >publication plans? Is there IP tied up in this?  
>>> >  
>>> >My shipping address is as follows:  
>>> >  
>>> >  
>>> >Department of Soil, Water  
>>> >University of Minnesota  
>>> >1991 Upper Buford Circle, 439 Borlaug Hall  
>>> >St. Paul, MN 55108 (USA)  
>>> >  
>>> >Thanks  
>>> >  
>>> >  
>>> >Mike  
>>> >  
>>> >

>>> >At 03:34 PM 4/3/2008, you wrote:  
>>> > >Hi Mike - I think insane business rules. I have to call Roger  
>about  
>>> > >other stuff; will get back w/you ASAP.  
>>> > >  
>>> > >Is your address below correct for shipping, or is there another  
>>one?  
>>> > >  
>>> > >  
>>> > >Valerie J.(Jody) Harwood, Ph.D.  
>>> > >Department of Biology, SCA 110  
>>> > >University of South Florida  
>>> > >4202 E. Fowler Ave.  
>>> > >Tampa, FL 33620  
>>> > >(813) 974-1524 - phone  
>>> > >(813) 974-3263 - fax  
>>> > >  
>>> > >  
>>> > >-----Original Message-----  
>>> > >From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>>> > >Sent: Thursday, April 03, 2008 9:13 AM  
>>> > >To: Harwood, Valerie  
>>> > >Subject: RE: Quote for Brevibacterium QPCR analysis  
>>> > >  
>>> > >Hi Jody:  
>>> > >  
>>> > >Thanks I am happy to do this. I have not heard a word from them.  
>Do  
>>> > >you know what is up?  
>>> > >  
>>> > >Mike  
>>> > >  
>>> > >At 11:39 AM 4/2/2008, you wrote:  
>>> > > >Thanks so much Mike! Did you hear back from them yet?  
>>> > > >  
>>> > > >Valerie J.(Jody) Harwood, Ph.D.  
>>> > > >Department of Biology, SCA 110  
>>> > > >University of South Florida  
>>> > > >4202 E. Fowler Ave.  
>>> > > >Tampa, FL 33620  
>>> > > >(813) 974-1524 - phone  
>>> > > >(813) 974-3263 - fax  
>>> > > >  
>>> > > >  
>>> > > >-----Original Message-----  
>>> > > >From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>>> > > >Sent: Tuesday, April 01, 2008 1:00 PM  
>>> > > >To: FrenchRD@cdm.com; OlsenRL@cdm.com  
>>> > > >Cc: Harwood, Valerie  
>>> > > >Subject: Quote for Brevibacterium QPCR analysis  
>>> > > >  
>>> > > >Dear Roger and Ron:  
>>> > > >  
>>> > > >Good morning.  
>>> > > >  
>>> > > >As per my discussion with Jody Harwood, I am sending you a  
>>>quotation  
>>> > > >for QPCR analysis of samples for Brevibacterium. I have also  
>>> > > >included University of Minnesota indirect costs in my estimate.  
>>> > > >  
>>> > > >If you agree with this plan and costs, I will need to run this  
>>> > > >through our research office, but I can likely expedite this



>>  
>>  
>>  
>>Dr. Michael Sadowsky  
>>Distinguished McKnight Professor  
>>  
>>Department of Soil, Water, and Climate; and  
>>BioTechnology Institute  
>>University of Minnesota  
>>1991 Upper Buford Circle, 439 Borlaug Hall  
>>St. Paul, MN 55108 (USA)  
>>Phone: (612) 624-2706  
>>PLEASE NOTE NEW EMAIL  
>>Email: Sadowsky@umn.edu  
>>FAX: (612) 625-2208  
>>  
>>  
>>  
>>  
>>  
>>  
>>  
>>Dr. Michael Sadowsky  
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>>  
>>Department of Soil, Water, and Climate; and  
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>>Phone: (612) 624-2706  
>>PLEASE NOTE NEW EMAIL  
>>Email: Sadowsky@umn.edu  
>>FAX: (612) 625-2208  
>>  
>>  
>



**From:** Jennifer Weidhaas  
**Sent:** Monday, June 9, 2008 6:07 PM  
**To:** 'Mike Sadowsky' <sadowsky@umn.edu>  
**Subject:** RE: Mike Sadowsky

---

8F (5'-AGA GTT TGA TCC TGGCTC AG-3') is a domain-specific bacterial primer  
1492R (5'-GGTTACCTTGTTACGACTT-3') is a domain-specific bacterial primer

-----Original Message-----

From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
Sent: Monday, June 09, 2008 4:42 PM  
To: Jennifer Weidhaas  
Subject: RE: Mike Sadowsky

Dear Jennifer:

Thanks for all the information. Can you please tell me the sequence (or where I can get it) for the 8F and 1492 primer set. I assume this is Brevibacteria specific. Is this correct?

I will check on the results from reactions with the Universal primer. We too have had problems with inhibition in some of our environmental samples, but we are following your protocol exactly as written and I assumed that this had been worked out for the samples you sent us. Do you want us to do this with the ones you sent too? We will also do the matrix spikes as needed for negative ones.

Thanks again,

Mike

At 05:06 PM 6/9/2008, you wrote:

>We use the 8F, 1492R primer set, but I would think that most universal  
>primers targeting a majority of the 16S gene would work.

>

>When you said this morning that the PCR had only worked in 8 of the  
>samples...was that with the Brevibacteria primers or with the universal  
>primers? All of the samples should have amplified and been visible on a  
>gel with the universal primers. However we do encounter inhibition  
>problems with these environmental samples sometimes. As a standard  
>protocol we run all universal PCR samples 3 times (i.e., 1: 1 ul DNA in  
>a 24 ul reaction targeting 10-15 ng DNA/ul, 2: 5 ul DNA in a 20 ul  
>reaction (representative of qpcr run), and 3: 1 ul DNA targeting 10-15  
>ng DNA/ul with a 1 ul matrix spike (to verify we don't have inhibition).  
>We also routinely include a matrix spike sample in addition to our  
>triplicates in a qpcr run.

>

>Jennifer

>

>-----Original Message-----

>From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>Sent: Monday, June 09, 2008 3:48 PM  
>To: Jennifer Weidhaas  
>Subject: RE: Mike Sadowsky

>

>Hi Jennifer:

>

>Thanks. We are using the universal primers now,  
>but I would prefer to use the Brevibacteria

>primers. Can you send us the sequence for these?  
>  
>Thanks for your help.  
>  
>Mike  
>  
> At 01:04 PM 6/9/2008, you wrote:  
> >Mike,  
> >I forgot to mention when I talked with you that  
> >we typically run any sample that doesn't amplify  
> >with the Brevibacteria primers in a nested qpcr  
> >approach (i.e., first with universal 16S  
> >bacterial primers and then with the  
> >Brevibacteria primers). It is likely that  
> >several of the samples you will be analyzing will require this  
>approach.  
> >Jennifer  
> >  
> >  
> >Jennifer Weidhaas, Ph.D., P.E.  
> >Environmental Engineer  
> >North Wind, Inc.  
> >TEL: 208-557-7883  
> >FAX: 208-528-8714  
> >  
> >  
> >From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
> >Sent: Monday, June 09, 2008 10:06 AM  
> >To: Jennifer Weidhaas  
> >Cc: Mike Sadowsky  
> >Subject: RE: Mike Sadowsky  
> >  
> >Ok, thanks!  
> >  
> >Valerie J.(Jody) Harwood, Ph.D.  
> >Department of Biology, SCA 110  
> >University of South Florida  
> >4202 E. Fowler Ave.  
> >Tampa, FL 33620  
> >(813) 974-1524 - phone  
> >(813) 974-3263 - fax  
> >  
> >  
> >-----  
> >From: Jennifer Weidhaas [<mailto:jweidhaas@northwind-inc.com>]  
> >Sent: Monday, June 09, 2008 11:35 AM  
> >To: Harwood, Valerie  
> >Subject: RE: Mike Sadowsky  
> >  
> >Not a problem. I should be in the office most  
> >of the day. If Mike can't reach me he can also try Tamzen.  
> >  
> >From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
> >Sent: Monday, June 09, 2008 6:59 AM  
> >To: Jennifer Weidhaas  
> >Cc: Tamzen Macbeth  
> >Subject: Mike Sadowsky  
> >  
> >Hi Jennifer - Mike's group has some questions  
> >for you on the poultry biomarker assay. He will be calling today.  
> > The poster looked great! Tamzen,  
> > I'm sorry we didn't get to chat more; I had to

> > go look at my poster again to be sure I knew  
> > the details (I was presenting for a colleague  
> > in New Zealand). I looked for you later in the  
> > day but didn't see you. I have been going to  
> > those meetings for so long that I know a bunch  
> > of people, and I get distracted w/trying to  
> > talk to everyone. So I hope you didn't think I was rude.

> >  
> >Jody  
> >  
> >Valerie J. (Jody) Harwood  
> >Dept. Biology, SCA 110  
> >University of South Florida  
> >4202 E. Fowler Ave  
> >Tampa, FL 33620  
> >(813) 974-1524 (Phone)  
> >(813) 974-3263 (Fax)

> >

>

>

>

>

>Dr. Michael Sadowsky  
>Distinguished McKnight Professor

>

>Department of Soil, Water, and Climate; and  
>BioTechnology Institute  
>University of Minnesota  
>1991 Upper Buford Circle, 439 Borlaug Hall  
>St. Paul, MN 55108 (USA)  
>Phone: (612) 624-2706  
>PLEASE NOTE NEW EMAIL  
>Email: Sadowsky@umn.edu  
>FAX: (612) 625-2208

Dr. Michael Sadowsky  
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1991 Upper Buford Circle, 439 Borlaug Hall  
St. Paul, MN 55108 (USA)  
Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Wednesday, June 11, 2008 9:00 AM  
**To:** Jennifer Weidhaas <jweidhaas@northwind-inc.com>  
**Subject:** RE: U. Minn analysis and manuscript

---

Conference was great and hectic. I am submitting it today!

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)

---

**From:** Jennifer Weidhaas [mailto:jweidhaas@northwind-inc.com]  
**Sent:** Tuesday, June 10, 2008 11:03 AM  
**To:** Harwood, Valerie  
**Subject:** RE: U. Minn analysis and manuscript

Hi Jody,

How was the conference? I assume you were busy catching up with lots of people.

Have you submitted the manuscript?

Thanks,

Jennifer

---

**From:** Harwood, Valerie [mailto:vharwood@cas.usf.edu]  
**Sent:** Monday, May 26, 2008 4:06 PM  
**To:** Jennifer Weidhaas  
**Cc:** Tamzen Macbeth  
**Subject:** RE: U. Minn analysis and manuscript

Hi Jennifer – definitely, the MS will get submitted this week.

The contract w/U. Minn is ok now and they are working on it but I haven't heard more. Will try to call this week.

Jody

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)

---

**From:** Jennifer Weidhaas [mailto:jweidhaas@northwind-inc.com]  
**Sent:** Monday, May 26, 2008 10:33 AM  
**To:** Harwood, Valerie  
**Cc:** Tamzen Macbeth  
**Subject:** U. Minn analysis and manuscript

Jody,

Has the contracting issue be resolved with U. Minn and CDM? How are the analysis of the samples coming along? Also, are there any further comments on the paper or can we start to think about submitting the manuscript and who we want to recommend for reviewing?

Thanks,

Jennifer

---

**From:** Harwood, Valerie [mailto:vharwood@cas.usf.edu]

**Sent:** Monday, May 05, 2008 10:21 AM

**To:** Jennifer Weidhaas; Olsen, Roger

**Cc:** Tamzen Macbeth

**Subject:** RE: poultry biomarker report

I just heard from Mike Sadowsky that due to contract wrangling between the parties (U. Minn and CDM, I think), he has not been able to start working w/the QPCR assay. Roger, there's probably nothing you can do to speed the progress, but if you can think of anything...

Jody

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)

---

**From:** Jennifer Weidhaas [mailto:jweidhaas@northwind-inc.com]

**Sent:** Monday, May 05, 2008 11:03 AM

**To:** Olsen, Roger

**Cc:** Harwood, Valerie; Tamzen Macbeth

**Subject:** RE: poultry biomarker report

Roger,

Total number of water samples received = 475

Total number of water samples extracted = 321

Total number of water samples analyzed = 187

Total number of soil, litter, bedding or fecal samples received = 160

Total number of soil, litter, bedding or fecal samples extracted = 114

Total number of soil, litter, bedding or fecal samples number analyzed = 75

Total number of samples analyzed = 262

Jennifer

---

**From:** Olsen, Roger [mailto:OlsenRL@cdm.com]

**Sent:** Saturday, May 03, 2008 8:06 PM

**To:** Jennifer Weidhaas

**Cc:** Harwood, Valerie; Tamzen Macbeth

**Subject:** RE: poultry biomarker report

forgot to ask - one question - what was the total number of samples extracted? Total extracted, total analyzed (258), total left?

Thanks.

---

**From:** Olsen, Roger  
**Sent:** Saturday, May 03, 2008 8:04 PM  
**To:** 'Jennifer Weidhaas'  
**Cc:** 'Harwood, Valerie'; Tamzen Macbeth  
**Subject:** RE: poultry biomarker report

I have send the final spreadsheet to Drew for a final match up and confirmation of CDM IDs - then we will provide all data to you.

---

**From:** Jennifer Weidhaas [mailto:jweidhaas@northwind-inc.com]  
**Sent:** Thursday, April 24, 2008 10:44 AM  
**To:** Harwood, Valerie  
**Cc:** Olsen, Roger  
**Subject:** RE: poultry biomarker report

As soon as I hit the send button I realized one of the calculations didn't have the right dilution factor. My apologies. The corrected pdf and excel file attached. Only a small change in the quantity of biomarker present in HFS-20-EvA-5-9-06.

Regards,

Jennifer

---

**From:** Jennifer Weidhaas  
**Sent:** Thursday, April 24, 2008 10:21 AM  
**To:** 'Harwood, Valerie'  
**Cc:** 'Olsen, Roger'; Tamzen Macbeth  
**Subject:** RE: poultry biomarker report

The final report is attached as well as the summary excel spreadsheet.

---

**From:** Jennifer Weidhaas  
**Sent:** Tuesday, April 22, 2008 1:18 PM  
**To:** 'Harwood, Valerie'  
**Cc:** 'Olsen, Roger'; Tamzen Macbeth  
**Subject:** RE: poultry biomarker report

The second report is attached.

---

**From:** Jennifer Weidhaas  
**Sent:** Tuesday, April 22, 2008 9:52 AM  
**To:** 'Harwood, Valerie'  
**Cc:** Olsen, Roger; Tamzen Macbeth  
**Subject:** poultry biomarker report

Roger and Jody,

This is the first of three reports you will be receiving this week on the poultry biomarker analysis. I will update the excel spreadsheet when we have all the samples run at the end of the week and send it out. This report includes analysis of the original fecal material collected in 2006. Just FYI, MAN-BC-7A did not amplify with qpcr, however this one was not officially requested by CDM so we are not reporting it as such. The next report will include the bedding material, new fecal samples and the reference stream samples (likely emailed this afternoon). The last report will include the other water samples (will be sent out by Thursday or Friday). Finally sample C14 (the last water sample) will be shipped to Mike's lab this afternoon. I will forward them the tracking number when I get it.

Cheers,  
Jennifer

Jennifer Weidhaas, Ph.D., P.E.

Environmental Engineer  
North Wind, Inc.  
TEL: 208-557-7883  
FAX: 208-528-8714

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Tuesday, June 17, 2008 3:05 PM  
**To:** Jennifer Weidhaas <jweidhaas@northwind-inc.com>; Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** Call about PCR assay

---

Hi Jennifer and/or Tamzen – can you call into the CDM # (1-866-799-9650 6679674# ) in 45 min (4:45 eastern, 2:45 mountain)? We will have Mike Sadowsky on the phone.

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)



**From:** Mike Sadowsky <sadowsky@umn.edu>  
**Sent:** Thursday, June 19, 2008 2:00 PM  
**To:** vharwood@cas.usf.edu; ferg0103@umn.edu; norat004@umn.edu; Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** E. Coli Brevibacterium received by U of M

---

Dear Tamzen:

>The strain just arrived, thanks to you and Collin for sending this  
>to us. However, I do not know anything about the plasmid, markers,  
>etc. The tube is marked C. FARM LA-35 something. It came from Kyle  
>Collins. Do you have any information on this for Dan so he can prep  
>the plasmid? Please let me know what antibiotic to use, the plasmid,  
>and what size the insert is.

>  
>Thanks for your help.

>  
>Mike

>At 07:53 PM 6/18/2008, you wrote:

>>The E. coli strain w/the Brevi plasmid in it is coming!

>>  
>>Valerie J. (Jody) Harwood  
>>Dept. Biology, SCA 110  
>>University of South Florida  
>>4202 E. Fowler Ave  
>>Tampa, FL 33620  
>>(813) 974-1524 (Phone)  
>>(813) 974-3263 (Fax)

>>  
>>From: Tamzen Macbeth [<mailto:tmacbeth@northwind-inc.com>]  
>>Sent: Wednesday, June 18, 2008 7:55 PM  
>>To: Harwood, Valerie  
>>Cc: David Page  
>>Subject: E. Coli Brevibacterium sent to U of M

>>  
>>Hi Jody,  
>>We sent a stock of the E.Coli stock that contains the  
>>Brevibacterium biomarker plasmid to Mike's lab Fed Ex:  
>>Tracking Number: #8636 0817 8060  
>>Please pass this information along and let us know if it makes it  
>>OK. Also, we usually extract the plasmids using a high-efficiency  
>>plasmid extraction kit (Qiagen Plasmid Mini Kit #12123).  
>>Let us know if you or Mike have any questions.

>>Cheers,  
>>Tamzen

>>\*\*\*\*\*  
>>Tamzen Macbeth, Ph.D., P.E.  
>>Technical Lead Remediation Technologies Division  
>>North Wind Inc.  
>>1425 Higham  
>>Idaho Falls, ID 83402  
>>Office: (208) 528-8718  
>>Direct: (208) 557-7846  
>>Fax: (208) 528-8714

>>\*\*\*\*\*  
>>

Dr. Michael Sadowsky  
Distinguished McKnight Professor

Department of Soil, Water, and Climate; and  
BioTechnology Institute  
University of Minnesota  
1991 Upper Buford Circle, 439 Borlaug Hall  
St. Paul, MN 55108 (USA)  
Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Mike Sadowsky <sadowsky@umn.edu>  
**Sent:** Friday, June 20, 2008 2:23 PM  
**To:** Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** RE: Instructions for generating plasmid standards for biomarker project.

---

Dear Tamzen:

Great, thanks for thre tips.

Mike

At 02:15 PM 6/20/2008, you wrote:

>Great- if Dan has any trouble please let him  
>know he can call with any questions (Jody  
>mentioned you may on travel the next week or  
>so). Also, one thing I wanted to mention is  
>that we generally do dilutions of the plasmid  
>using a 0.1X TBE buffer (vs. just water) because  
>the extracted plasmids loose viability pretty  
>fast and buffer helps. We also limit the number  
>of freeze/thaw cycles to 1. Therefore, when  
>running a standard curve we use aliquots of  
>"fresh" plasmid extraction/dilutions or use a  
>stock from the freezer. Once the freezer stock  
>is used- we discard. This has helped  
>tremendously in getting consistent and  
>reproducible standard curves. Any suggestions  
>you might have are definitely welcome- we're  
>always looking for ways to improve our methods.  
>Have a great weekend,  
>Tamzen  
>

>-----Original Message-----

>From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
>Sent: Friday, June 20, 2008 11:24 AM  
>To: Tamzen Macbeth; vharwood@cas.usf.edu;  
>ferg0103@umn.edu; norat004@umn.edu; Tamzen Macbeth  
>Subject: Re: Instructions for generating plasmid  
>standards for biomarker project.

>  
>Dear Tamzen:

>  
>Thanks very much. This is perfect! Dan can easily prepare new DNA.

>  
>Thanks again.

>  
>Mike

>  
>At 10:29 AM 6/20/2008, Tamzen Macbeth wrote:

> >Hi Mike,  
> >Sure, the E.coli is the carrier strain used in  
> >the Invitrogen TOPOTA plasmid cloning kit. The  
> >following are the general proceedures we use to obtain the plasmid stock.  
> >1. From the glycerol stock take, remove a small  
> >portion using a sterile pipette tip and place in  
> >750uL of prepared TPYNG (see attached protocol  
> >for how to make) broth w/kanamycin (50 ug/mL)  
> >2. Place in incubator overnight set @  
> >37°C. Finger flip the tube, a visible bacterial

> >growth should be seen, if not the broth would be cloudy.  
> >3. Extract Plasmid using a high-efficiency  
> >plasmid extraction kit (Qiagen Plasmid Mini Kit #12123)  
> >In addition I am sending you the excel  
> >s spreadsheet that has the details for how we  
> >calculate the dilutions for the standard  
> >curve. It includes the length of the TOPO TA  
> >plasmid and biomarker insert and based on the  
> >plasmid DNA concentration, calculates the dilutions for the standard curves.  
> > Please let me know if you have additional  
> > questions. If I'm not in the office feel free  
> > to call my cell phone (208) 569-5147.  
> >Have a great weekend,  
> >Tamzen  
> >  
> >\*\*\*\*\*  
> >Tamzen Macbeth, Ph.D., P.E.  
> >Technical Lead Remediation Technologies Division  
> >North Wind Inc.  
> >1425 Higham  
> >Idaho Falls, ID 83402  
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Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Tuesday, June 24, 2008 6:27 AM  
**To:** Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** RE: Instructions for generating plasmid standards for biomarker project.

---

Thanks Tamzen!

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)

-----Original Message-----

From: Tamzen Macbeth [<mailto:tmacbeth@northwind-inc.com>]  
Sent: Friday, June 20, 2008 3:15 PM  
To: Mike Sadowsky; Harwood, Valerie; ferg0103@umn.edu; norat004@umn.edu  
Subject: RE: Instructions for generating plasmid standards for biomarker project.

Great- if Dan has any trouble please let him know he can call with any questions (Jody mentioned you may on travel the next week or so). Also, one thing I wanted to mention is that we generally do dilutions of the plasmid using a 0.1X TBE buffer (vs. just water) because the extracted plasmids loose viability pretty fast and buffer helps. We also limit the number of freeze/thaw cycles to 1. Therefore, when running a standard curve we use aliquots of "fresh" plasmid extraction/dilutions or use a stock from the freezer. Once the freezer stock is used- we discard. This has helped tremendously in getting consistent and reproducible standard curves. Any suggestions you might have are definitely welcome- we're always looking for ways to improve our methods.

Have a great weekend,  
Tamzen

-----Original Message-----

From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
Sent: Friday, June 20, 2008 11:24 AM  
To: Tamzen Macbeth; vharwood@cas.usf.edu; ferg0103@umn.edu; norat004@umn.edu; Tamzen Macbeth  
Subject: Re: Instructions for generating plasmid standards for biomarker project.

Dear Tamzen:

Thanks very much. This is perfect! Dan can easily prepare new DNA.

Thanks again.

Mike

At 10:29 AM 6/20/2008, Tamzen Macbeth wrote:

>Hi Mike,  
>Sure, the E.coli is the carrier strain used in  
>the Invitrogen TOPOTA plasmid cloning kit. The  
>following are the general procedures we use to obtain the plasmid stock.  
>1. From the glycerol stock take, remove a small  
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>3. Extract Plasmid using a high-efficiency  
>plasmid extraction kit (Qiagen Plasmid Mini Kit #12123)

>In addition I am sending you the excel  
>spreadsheet that has the details for how we  
>calculate the dilutions for the standard  
>curve. It includes the length of the TOPO TA  
>plasmid and biomarker insert and based on the  
>plasmid DNA concentration, calculates the dilutions for the standard curves.  
> Please let me know if you have additional  
> questions. If I'm not in the office feel free  
> to call my cell phone (208) 569-5147.  
>Have a great weekend,  
>Tamzen  
>  
>\*\*\*\*\*  
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St. Paul, MN 55108 (USA)  
Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Mike Sadowsky <sadowsky@umn.edu>  
**Sent:** Thursday, July 17, 2008 12:41 PM  
**To:** Tamzen Macbeth <tmacbeth@northwind-inc.com>; vharwood@cas.usf.edu;  
norat004@umn.edu; FrenchRD@cdm.com; dpage@riggsabney.com  
**Subject:** biomarker project.

---

Dear Tamzen:

I just wanted to let you know that we have now worked out the all the kinks and the majority of problems with the biomarker project. However, due to all the manipulations we needed to do to work out the issues for the analyses, we are now out of "unknown" samples. Is it possible for you to send us another set? Once received we will run QPCR and Standard PCRs on replicated samples.

Thanks and best regards,

Mike Sadowsky

Dr. Michael Sadowsky  
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Department of Soil, Water, and Climate; and  
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Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Mike Sadowsky <sadowsky@umn.edu>  
**Sent:** Friday, July 18, 2008 1:39 PM  
**To:** David Page <dpage@riggsabney.com>; Harwood, Valerie <vharwood@cas.usf.edu>; Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** RE: biomarker project.

---

Dear David:

Sorry to have missed your call. I was in a meeting and now have to give a speech for the retiring administrator of my institute.

I will not be back in my office until 3:15 central time. Can we have our call around then?

Thanks

Mike

At 11:18 AM 7/18/2008, David Page wrote:

>Mike , we will call you regardless in about an hour.

>

>

>David P. Page

>Riggs, Abney, Neal, Turpen, Orbison & Lewis, Inc.

>502 W. 6th Street

>Tulsa, OK 74119-1010

>918-587-3161

>918-583-1549 (fax)

>dpage@riggsabney.com

>

>

>

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>received it and then delete the message. Any distribution or copying of

>this message other than by its intended recipient is strictly

>prohibited.

>

>-----Original Message-----

>From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]

>Sent: Friday, July 18, 2008 9:13 AM

>To: David Page; Harwood, Valerie; Tamzen Macbeth

>Subject: RE: biomarker project.

>

>I Hope so, as we have some new data today to discuss.

>

>Mike

>

>At 08:43 AM 7/18/2008, David Page wrote:

> >Tamzen, could you please let us know if we can have a quick talk

> >today?? Thanks.

> >

> >

> >David P. Page

> >Riggs, Abney, Neal, Turpen, Orbison & Lewis, Inc.

> >502 W. 6th Street

> >Tulsa, OK 74119-1010



> >918-587-3161  
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> >this message other than by its intended recipient is strictly  
> >prohibited.  
> >  
> >  
> >  
> >-----  
> >From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
> >Sent: Thursday, July 17, 2008 3:44 PM  
> >To: Mike Sadowsky; Tamzen Macbeth; David Page  
> >Subject: RE: biomarker project.  
> >  
> >ok, hopefully Tamzen can talk then too. I think she is out in the field  
> >  
> >right now, so we'll wait for her reply tomorrow. Thanks for being  
> >available Mike!  
> >  
> >  
> >-----  
> >From: Mike Sadowsky [<mailto:sadowsky@umn.edu>]  
> >Sent: Thu 7/17/2008 4:14 PM  
> >To: Harwood, Valerie; Tamzen Macbeth; dpage@riggsabney.com  
> >Subject: RE: biomarker project.  
> >  
> >Hi Jody:  
> >  
> >I will be here until 5:30 Central Time (6:30 Eastern) so Friday  
> >afternoon is best for me as I have a meeting from 12:15-1:15.  
> >  
> >Mike  
> >  
> >At 03:05 PM 7/17/2008, Harwood, Valerie wrote:  
> > >Hi Mike - thanks for getting back to me so fast. My deposition is  
> > >tomorrow. But if you are both available noon-ish (Central time) we  
> > >could probably get it done then. Or later Friday (like the afternoon,  
> > >  
> > >after my depo) but I don't know if you want to keep working until  
> > >late Friday afternoon!  
> > >  
> > >Jody  
> > >  
> > >  
> > >-----  
> > >From: Mike Sadowsky  
> > >[<<mailto:sadowsky@umn.edu>><mailto:sadowsky@umn.edu>]  
> > >Sent: Thu 7/17/2008 4:01 PM  
> > >To: Harwood, Valerie; Tamzen Macbeth; dpage@riggsabney.com  
> > >Subject: RE: biomarker project.  
> > >  
> > >Dear Jody:  
> > >  
> > >I will be in Thailand next week until 28 July. Can we do this

> > >tomorrow? If not, it may have to wait until I return.  
> > >  
> > >Sorry,  
> > >  
> > >Mike  
> > >  
> > >At 02:01 PM 7/17/2008, Harwood, Valerie wrote:  
> > > >Would you (Tamzen & Mike) have time on Monday for a conference call  
>  
> > > >about progress on the assay? The morning is better for me than the  
> > > >afternoon, although I could talk in the late afternoon (after 4 PM  
>EST).  
> > > >  
> > > >  
> > > >-----  
> > > >From: Mike Sadowsky  
> > > >[<<mailto:sadowsky@umn.edu>><mailto:sadowsky@umn.edu>><mailto:sadowsky@umn.edu>  
> > > >.edu]  
> > > >Sent: Thu 7/17/2008 1:41 PM  
> > > >To: Tamzen Macbeth; Harwood, Valerie; norat004@umn.edu;  
> > > >FrenchRD@cdm.com; dpage@riggsabney.com  
> > > >Subject: biomarker project.  
> > > >  
> > > >Dear Tamzen:  
> > > >  
> > > >I just wanted to let you know that we have now worked out the all  
> > > >the kinks and the majority of problems with the biomarker project.  
> > > >However, due to all the manipulations we needed to do to work out  
> > > >the issues for the analyses, we are now out of "unknown" samples.  
> > > >Is it possible for you to send us another set? Once received we  
> > > >will run QPCR and Standard PCRs on replicated samples.  
> > > >  
> > > >Thanks and best regards,  
> > > >  
> > > >Mike Sadowsky  
> > > >  
> > > >  
> > > >  
> > > >Dr. Michael Sadowsky  
> > > >Distinguished McKnight Professor  
> > > >  
> > > >Department of Soil, Water, and Climate; and BioTechnology Institute  
>  
> > > >University of Minnesota  
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> > > >PLEASE NOTE NEW EMAIL  
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PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Tamzen Macbeth  
**Sent:** Monday, July 21, 2008 9:00 AM  
**To:** 'Harwood, Valerie' <vharwood@cas.usf.edu>; Mike Sadowsky <sadowsky@umn.edu>; dpage@riggsabney.com  
**Subject:** RE: biomarker project.

---

4pm EST works for me,  
Let me know.  
Thanks,  
T.

---

**From:** Harwood, Valerie [mailto:vharwood@cas.usf.edu]  
**Sent:** Thursday, July 17, 2008 1:02 PM  
**To:** Mike Sadowsky; Tamzen Macbeth; dpage@riggsabney.com  
**Subject:** RE: biomarker project.

Would you (Tamzen & Mike) have time on Monday for a conference call about progress on the assay? The morning is better for me than the afternoon, although I could talk in the late afternoon (after 4 PM EST).

---

**From:** Mike Sadowsky [mailto:sadowsky@umn.edu]  
**Sent:** Thu 7/17/2008 1:41 PM  
**To:** Tamzen Macbeth; Harwood, Valerie; norat004@umn.edu; FrenchRD@cdm.com; dpage@riggsabney.com  
**Subject:** biomarker project.

Dear Tamzen:

I just wanted to let you know that we have now worked out the all the kinks and the majority of problems with the biomarker project. However, due to all the manipulations we needed to do to work out the issues for the analyses, we are now out of "unknown" samples. Is it possible for you to send us another set? Once received we will run QPCR and Standard PCRs on replicated samples.

Thanks and best regards,

Mike Sadowsky

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Department of Soil, Water, and Climate; and  
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St. Paul, MN 55108 (USA)  
Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Monday, July 21, 2008 4:29 PM  
**To:** norat004@umn.edu; Mike Sadowsky <sadowsky@umn.edu>  
**Cc:** David Page <dpage@riggsabney.com>; Tamzen Macbeth <tmacbeth@northwind-inc.com>  
**Subject:** samples for poultry marker QPCR

---

Hi Dan – Can you hold on analysis of the poultry samples from North Wind until Tamzen (North Wind), Mike and I have a chance to talk? The amount of archived sample remaining at North Wind is getting low, so it would be better to wait until Mike gets back from Thailand and we can chat.

Mike, are you returning next week, or later? If you are returning next week, could we talk on Tues July 29? I am available any time after 1 PM EST, and Tamzen will be in all that week.

Thanks! Jody

Valerie J.(Jody) Harwood, Ph.D.  
Department of Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave.  
Tampa, FL 33620  
(813) 974-1524 - phone  
(813) 974-3263 - fax

**From:** Tamzen Macbeth  
**Sent:** Monday, July 21, 2008 2:03 PM  
**To:** 'David Page' <dpage@riggsabney.com>; Harwood, Valerie <vharwood@cas.usf.edu>; Mike Sadowsky <sadowsky@umn.edu>  
**Cc:** Ward, Liza <lward@motleyrice.com>  
**Subject:** RE: biomarker project.

---

Any word on this- we actually need some guidance regarding some of the items the defendants are asking for.

Thanks,  
Tamzen

---

**From:** David Page [mailto:dpage@riggsabney.com]  
**Sent:** Monday, July 21, 2008 7:58 AM  
**To:** Tamzen Macbeth; Harwood, Valerie; Mike Sadowsky  
**Cc:** Ward, Liza  
**Subject:** RE: biomarker project.

Jody, would you be available for a call at that time?

David P. Page  
Riggs, Abney, Neal, Turpen, Orbison & Lewis, Inc.  
502 W. 6th Street  
Tulsa, OK 74119-1010  
918-587-3161  
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---

**From:** Tamzen Macbeth [mailto:tmacbeth@northwind-inc.com]  
**Sent:** Monday, July 21, 2008 9:00 AM  
**To:** Harwood, Valerie; Mike Sadowsky; David Page  
**Subject:** RE: biomarker project.

4pm EST works for me,  
Let me know.  
Thanks,  
T.

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**From:** Harwood, Valerie [mailto:vharwood@cas.usf.edu]  
**Sent:** Thursday, July 17, 2008 1:02 PM  
**To:** Mike Sadowsky; Tamzen Macbeth; dpage@riggsabney.com  
**Subject:** RE: biomarker project.

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**From:** Mike Sadowsky [mailto:sadowsky@umn.edu]

**Sent:** Thu 7/17/2008 1:41 PM

**To:** Tamzen Macbeth; Harwood, Valerie; norat004@umn.edu; FrenchRD@cdm.com; dpage@riggsabney.com

**Subject:** biomarker project.

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St. Paul, MN 55108 (USA)  
Phone: (612) 624-2706  
PLEASE NOTE NEW EMAIL  
Email: Sadowsky@umn.edu  
FAX: (612) 625-2208

**From:** David Page <dpage@riggsabney.com>  
**Sent:** Tuesday, July 22, 2008 6:08 PM  
**To:** Harwood, Valerie <vharwood@cas.usf.edu>; sadowsky@umn.edu  
**Cc:** norat004@umn.edu; Tamzen Macbeth <tmacbeth@northwind-inc.com>; Olsen, Roger <OlsenRL@cdm.com>  
**Subject:** RE: samples for poultry marker QPCR

---

Yes

David P. Page  
Riggs, Abney, Neal, Turpen, Orbison & Lewis, Inc.  
502 W. 6th Street  
Tulsa, OK 74119-1010  
918-587-3161  
918-583-1549 (fax)  
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-----Original Message-----

From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
Sent: Tuesday, July 22, 2008 5:56 PM  
To: sadowsky@umn.edu  
Cc: norat004@umn.edu; David Page; Tamzen Macbeth  
Subject: RE: samples for poultry marker QPCR

Ok, Tuesday July 29 at 1 PM. David, do you think we can use the CDM call #?

Valerie J.(Jody) Harwood, Ph.D.  
Department of Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave.  
Tampa, FL 33620  
(813) 974-1524 - phone  
(813) 974-3263 - fax

-----Original Message-----

From: sadowsky@umn.edu [<mailto:sadowsky@umn.edu>]  
Sent: Monday, July 21, 2008 11:19 PM  
To: Harwood, Valerie  
Cc: norat004@umn.edu; David Page; Tamzen Macbeth  
Subject: Re: samples for poultry marker QPCR

Hi Jody:

Thanks. Yes, I will be back in the office on the 29th. I will call you then after 1 pm.



MIke

On Jul 21 2008, Harwood, Valerie wrote:

>Hi Dan - Can you hold on analysis of the poultry samples from North  
Wind  
>until Tamzen (North Wind), Mike and I have a chance to talk? The amount  
  
>of archived sample remaining at North Wind is getting low, so it would  
>be better to wait until Mike gets back from Thailand and we can chat.  
>  
> Mike, are you returning next week, or later? If you are  
  
>returning next week, could we talk on Tues July 29? I am available any  
>time after 1 PM EST, and Tamzen will be in all that week.  
>  
>Thanks! Jody  
>  
>  
>  
>Valerie J.(Jody) Harwood, Ph.D.  
>  
>Department of Biology, SCA 110  
>  
>University of South Florida  
>  
>4202 E. Fowler Ave.  
>  
>Tampa, FL 33620  
>  
>(813) 974-1524 - phone  
>  
>(813) 974-3263 - fax  
>  
>  
>  
>  
>  
>

**From:** Harwood, Valerie <vharwood@cas.usf.edu>  
**Sent:** Wednesday, July 23, 2008 6:31 AM  
**To:** sadowsky@umn.edu; David Page <dpage@riggsabney.com>  
**Cc:** Tamzen Macbeth <tmacbeth@northwind-inc.com>; norat004@umn.edu; Olsen, Roger <OlsenRL@cdm.com>  
**Subject:** RE: samples for poultry marker QPCR

---

Ooh, sorry - I was thinking eastern time if that's ok w/everyone. If not, I am flexible.

Valerie J. (Jody) Harwood  
Dept. Biology, SCA 110  
University of South Florida  
4202 E. Fowler Ave  
Tampa, FL 33620  
(813) 974-1524 (Phone)  
(813) 974-3263 (Fax)

-----Original Message-----

From: sadowsky@umn.edu [<mailto:sadowsky@umn.edu>]  
Sent: Tuesday, July 22, 2008 10:03 PM  
To: David Page  
Cc: Tamzen Macbeth; Harwood, Valerie; norat004@umn.edu; Olsen, Roger  
Subject: RE: samples for poultry marker QPCR

Hi All:

Please let me know if you mean central or eastern time.

Thanks

Mike

On Jul 22 2008, David Page wrote:

>  
>OK  
>  
>David P. Page  
>Riggs, Abney, Neal, Turpen, Orbison & Lewis, Inc.  
>502 W. 6th Street  
>Tulsa, OK 74119-1010  
>918-587-3161  
>918-583-1549 (fax)  
>dpage@riggsabney.com  
>  
>  
>  
>This Email is covered by the provisions of the U.S. Electronic  
>Communications Privacy Act. This communication may be protected by the  
>attorney-client privilege and may contain confidential information. If  
>it has been sent to you in error please reply to the sender that you  
>received it and then delete the message. Any distribution or copying of  
>this message other than by its intended recipient is strictly  
>prohibited.  
>  
>-----Original Message-----

>From: Tamzen Macbeth [<mailto:tmacbeth@northwind-inc.com>]  
>Sent: Tuesday, July 22, 2008 6:02 PM  
>To: Harwood, Valerie; [sadowsky@umn.edu](mailto:sadowsky@umn.edu)  
>Cc: [norat004@umn.edu](mailto:norat004@umn.edu); David Page  
>Subject: RE: samples for poultry marker QPCR

>  
>We can use my conference line:

>  
>Number: 1-866-469-3239  
>Access Code: 91241711

>  
>Talk to you then,  
>Tamzen

>  
>-----Original Message-----

>From: Harwood, Valerie [<mailto:vharwood@cas.usf.edu>]  
>Sent: Tuesday, July 22, 2008 4:56 PM  
>To: [sadowsky@umn.edu](mailto:sadowsky@umn.edu)  
>Cc: [norat004@umn.edu](mailto:norat004@umn.edu); David Page; Tamzen Macbeth  
>Subject: RE: samples for poultry marker QPCR

>  
>Ok, Tuesday July 29 at 1 PM. David, do you think we can use the CDM  
call  
>#?

>  
>Valerie J.(Jody) Harwood, Ph.D.  
>Department of Biology, SCA 110  
>University of South Florida  
>4202 E. Fowler Ave.  
>Tampa, FL 33620  
>(813) 974-1524 - phone  
>(813) 974-3263 - fax

>  
>-----Original Message-----

>From: [sadowsky@umn.edu](mailto:sadowsky@umn.edu) [<mailto:sadowsky@umn.edu>]  
>Sent: Monday, July 21, 2008 11:19 PM  
>To: Harwood, Valerie  
>Cc: [norat004@umn.edu](mailto:norat004@umn.edu); David Page; Tamzen Macbeth  
>Subject: Re: samples for poultry marker QPCR

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>Hi Jody:

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>then after 1 pm.

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>Mike

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>

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>>time after 1 PM EST, and Tamzen will be in all that week.

>>

>>Thanks! Jody

>>

>>

>>

>>Valerie J.(Jody) Harwood, Ph.D.

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>>

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